

L7 ANSWER 23 OF 30 CAPLUS COPYRIGHT 2003 ACS  
 AN 1990:41529 CAPLUS  
 DN 112:41529  
 TI Plastic mass for temporary filling of technological holes in  
 prefabricated reinforced concrete panels  
 IN Balpataki, Istvan  
 PA Hajdu Megyei Allami Epitoipari Vallalat, Debrecen, Hung.  
 SO Hung. Teljes, 12 pp.  
 CODEN: HUXXB  
 DT Patent  
 LA Hungarian  
 IC ICM C04B022-00  
 CC 58-2 (Cement, Concrete, and Related Building Materials)  
 FAN.CNT 1

|      | PATENT NO.   | KIND | DATE     | APPLICATION NO. | DATE     |
|------|--|------|----------|-----------------|----------|
| PI   | HU 48857   | A2   | 19890728 | HU 1987-5946    | 19871222 |
|      | HU 201502  | B    | 19901128 |                 |          |
| PRAI | HU 1987-5946   |      | 19871222 |                 |          |
| AB   | The quality of steel-reinforced concrete panels is improved by using a new temporary plastic filling material for creating technol. required holes or openings in the hardened product. The plastic filling material consists of perlite, bentonite, and inhibitors (Na silicate and/or Na <sub>3</sub> PO <sub>4</sub> ). The new nonhardening filling material provides corrosion protection for the reinforcing components, has good workability, and is easy to remove from the final hardened product. A compn. with excellent properties comprises perlite 7.5, bentonite 75, Na silicate 1.2, and Na <sub>3</sub> PO <sub>4</sub> 2.5 kg and water 100 L. |      |          |                 |          |
| ST   | steel reinforced concrete plastic filling; perlite filling steel reinforced concrete; bentonite filling steel reinforced concrete; sodium silicate inhibitor steel reinforced concrete; sodium phosphate inhibitor steel reinforced concrete   |      |          |                 |          |
| IT   | Polyesters, uses and miscellaneous<br>RL: SPN (Synthetic preparation); PREP (Preparation)<br>(binder, in artificial granite prepn.)  |      |          |                 |          |
| IT   | Bentonite, uses and miscellaneous<br>Perlite<br>RL: USES (Uses)<br>(filling materials, for improvement of steel-reinforced concrete, for panels)   |      |          |                 |          |
| IT   | Sand<br>RL: SPN (Synthetic preparation); PREP (Preparation)<br>(in artificial granite prepn.)  |      |          |                 |          |
| IT   | Granite, preparation<br>RL: SPN (Synthetic preparation); PREP (Preparation)<br>(prepn. of artificial, polyester binder and sands for)  |      |          |                 |          |
| IT   | Polyesters, uses and miscellaneous<br>RL: SPN (Synthetic preparation); PREP (Preparation)<br>(hexachloronorbornenedicarboxylic acid-based, unsatd., binder, in artificial granite prepn.)  |      |          |                 |          |
| IT   | Concrete<br>(steel rod-reinforced, improvement of, plastic filling materials for, for panels)  |      |          |                 |          |
| IT   | Polyesters, uses and miscellaneous<br>RL: SPN (Synthetic preparation); PREP (Preparation)<br>(unsatd., isophthalic acid-based, binder, in artificial granite prepn.)   |      |          |                 |          |
| IT   | 12597-69-2<br>RL: USES (Uses)<br>(concrete, steel rod-reinforced, improvement of, plastic filling materials for, for panels)   |      |          |                 |          |
| IT   | 6834-92-0, Sodium silicate (Na <sub>2</sub> SiO <sub>3</sub> ) 7601-54-9,<br>Sodium phosphate (Na <sub>3</sub> PO <sub>4</sub> )   |      |          |                 |          |